

LASSO or L_1 regularization in linear models - Appendix

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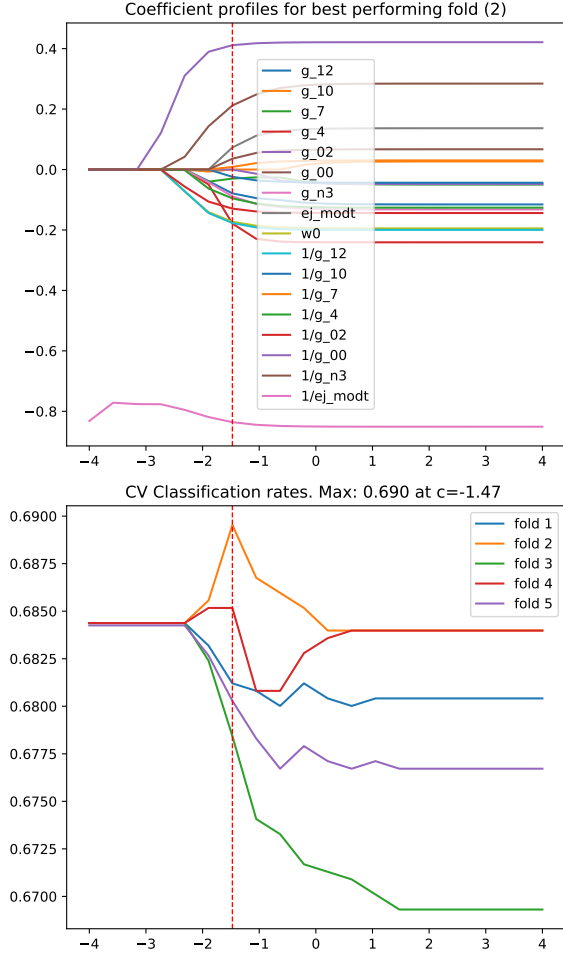


FIG. 1. L1 Regularized Logistic Regression on KU grade data, with reciprocal features engineered to see if it gave a better accuracy. **Top:** Coefficient paths, for the best performing cross validation fold. I used 5 random folds in total. **Bottom:** Classification rates for the 5 folds.

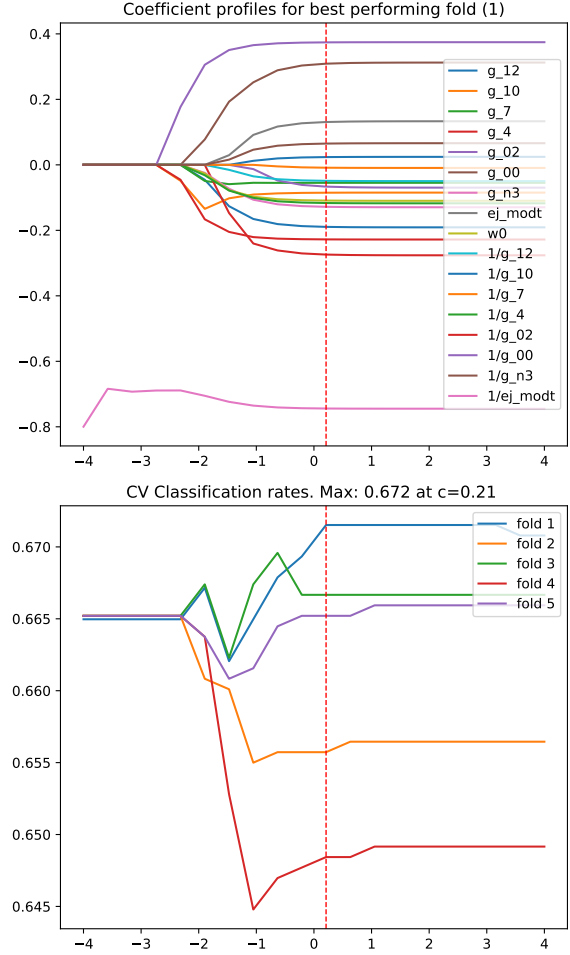


FIG. 2. L1 Regularized Logistic Regression on KU grade data, with reciprocal features engineered and courses with less than 30 participants removed. **Top:** Coefficient paths, for the best performing cross validation fold. I used 5 random folds in total. **Bottom:** Classification rates for the 5 folds. A slightly better classification rate was found, but not deemed to be significantly above the classification rate found in the main part of the report.